

Europäisches Patentamt
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(11) EP 0 993 806 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 28.06.2000 Bulletin 2000/26

(51) Int Cl.7: A61B 17/02

(43) Date of publication A2: 19.04.2000 Bulletin 2000/16

(21) Application number: 99307331.1

(22) Date of filing: 15.09.1999

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 15.09.1998 US 100443 P

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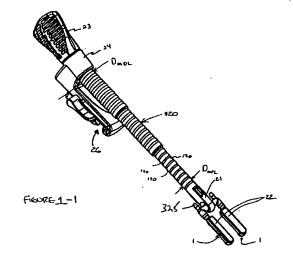
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(54) Apparatus for temporarily immobilizing a local area of tissue

(57) The invention is apparatus for performing beating heart surgery, in which a single articulating arm supports multiple suction pods. Once the suction pods are applied to the heart surface, tightening a cable fixes the arm in place. Then, the suction pods may be spread apart from each other to tighten the surface of the cardiac tissue lying between the suction pods. In one embodiment, fixation of the arm as well as the spreading apart of the suction pods may occur concurrently or almost concurrently through the tensioning of a single cable. Additional embodiments of the method, system and its components are shown.





EUROPEAN SEARCH REPORT

Application Number EP 99 30 7331

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X	* figure 32C *		13,59		
., [* figure 60 *				
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Α	* figures 1B,44 *		93,99		
A	* figures 32,18 *		98		
X	* column 31, paragr	aph 2; figure 32 *	104-106		
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Application Number

EP 99 30 7331

CLAIMS INCURRING FEES
The present European patent application comprised at the time of filling more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely.
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"我们的一个人的,我们的一个人,我们就会 _是 我的事情的大学,""我们的这样,我们们是一个人的。"
The see sheet B
All further search fees have been paid within the fixed time limit. The present European search report h
been drawn up for all claims.
— Book drawn up for air claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



EUROPEAN SEARCH REPORT

Application Number EP 99 30 7331

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LACK OF UNITY OF INVENTION SHEET B

Application Number EP 99 30 7331

Li 33 30 73.

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-11, 18-21, 45, 46, 78, 79, 82-88, 110, 114-118

Tissue immobilising system with movable paddles, in particular with a combination of malleable conforming and suction gripping

2. Claims: 1,22-25

Tissue immobilising system with movable paddles, with spreading means including a spreadable saddle

3. Claims: 1,29,31-38

Tissue immobilising system with movable paddles, with independent spreading of first and second paddles

4. Claims: 1,14-17,39-44,47-52

Tissue immobilising system with movable paddles, with hinged spreading means

5. Claims: 1,53-56,81

Tissue immobilising system with movable paddles, with simultaneous paddle spreading and arm locking

6. Claims: 1,12,20,30,57,58

Tissue immobilising system with movable paddles, with parallel paddle spreading

7. Claims: 1,13,59-62

Tissue immobilising system with movable paddles, with non-parallel paddle spreading

8. Claims: 1,63-77

Tissue immobilising system with movable paddles, with multiple suction ports on a single surface

9. Claims: 1,80

Tissue immobilising system with movable paddles, with



EUROPEAN SEARCH REPORT

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Category	Citation of document with i	CLASSIFICATION OF THE		
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X : partic Y : partic docur A : techn O : non-	ATEGORY OF CITED DOCUMENTS outlarly relevant if taken atone rutarly relevant if combined with another ment of the same category tological background worker disclosure mediate document	T: theory or principle E: earlier patent docu- after the filing date D: document cited in L: document cited for	underlying the in ment, but publish the application other reasons	vention hed on, or



LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 99 30 7331

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

special arrangement of suction source, suction port and paddle and port surfaces

10. Claims: 1,89-93,99-103

Tissue immobilising system with movable paddles, with special construction of flexible arm

11. Claims: 1,26-28,94-98,110-113,119-126

Tissue immobilising system with movable paddles, with spreading actuator remote from paddles

12. Claims: 1,104-109

Tissue immobilising system with movable paddles, with paddle with puncturing and dispensing capability

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 30 7331

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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